

B
1. 21. A method for improving the execution speed of an application program by optimizing the storage order of a plurality of data elements within a first data file accessed by said application program, said optimization accomplished by creating a second data file as a listing of said data elements of said first data file in the order in which said data elements are accessed by said application program, the method comprising the steps of:

modifying said application program to create a resource list, said resource list for containing a listing of said several data elements of said data file in the order which they are first accessed by said application program;

executing said application program, thereby creating said resource list;

appending said resource list to said first data file; and

creating said second data file from said first data file, said second data file having said data elements stored therein in the order said data elements are listed in said resource list.

2. 22. Apparatus including processor, data storage device, memory, and at least one data bus, for improving the execution speed of an application program implementable on said apparatus, said application program accessing a plurality of data elements within a first data file implemented on said memory, said apparatus further for optimizing the storage order of said plurality of data elements and comprising:

second data file means for creating, from said first data file, a second data file implemented on said memory, said second data file including a listing of said plurality of data elements from said first data program in the order in which said plurality of data elements are accessed by said application program, said data file means including

(a) application program modification means for modifying said application program to create a resource list, said resource list for containing a listing of said plurality of data elements of said first data file in the order which said plurality of data elements are first accessed by said application program,

(b) means for executing said application said program, thereby creating said resource list,

(c) resource list appending means for appending said resource list to said first data file, and

(d) data file creation means for creating said second data file having

[4]